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დიზელის მრავები - აზოტის ჟანგეულების AUS 32 აგენტის შემცირებანაწილი 1: ხარისხის მოთხოვნები

სსტ ისო 22241-1:2019/2020

საინფორმაციო მონაცემები

- 1 მიღებულია და დაშვებულია სამოქმედოდ: სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს გენერალური დირექტორის 22/10/2020 წლის № 103 განკარგულებით
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3 პირველად

4 რეგისტრირებულია: სსიპ-საქართველოს სტანდარტებისა და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 22/10/2020 წლის №268-1.3-018890

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Part 1: **Quality requirements**

Moteurs diesel — Agent AUS 32 de réduction des NOx — Partie 1: Exigences de qualité





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Cont	tents	Page
Forew	vord	iv
Introd	luction	
1	Scope	1
2	Normative references	
3	Terms and definitions	1
4	Designation	2
5	Requirements and testing	2
6	Handling, transportation and storage	2
7	Marking	2
Annex	A (informative) Chemical characteristics	4
Annex	B (informative) Precision of test methods	5
	graphy	

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 34, *Propulsion, powertrain and powertrain fluids*.

This second edition cancels and replaces the first edition (ISO 22241-1:2006), which has been technically revised. The main changes compared to the previous edition are as follows:

- the test method for measuring urea content by refractive index was revised;
- an alternate test method for measuring trace amounts of phosphorous by ICP-OES was added (a referee method is indicated); and
- the refractive index, nD20, limit values were revised.

A list of all parts in the ISO 22241 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

In order to protect the environment, keeping the air quality as clean as possible, exhaust emissions regulations around the world have been strengthened considerably. In motor vehicles with diesel engines, particulate matters (PM) and nitrogen oxide (NOx) emissions are the main concern, and efforts have been focused on the development of technology which can reduce them effectively with minimum fuel economy penalty. Selective catalytic reduction (SCR) converters using urea solution as the reduction agent are considered to be a key technology for reducing NOx emissions. The quality of the urea solution used for that technology needs to be specified to ensure reliable and stable operation of the SCR converter systems. The ISO 22241 series provides the specifications for quality characteristics, for handling, transportation and storage and for the refilling interface as well as the test methods, needed by the manufacturers of motor vehicles and their engines, by converter manufacturers, by producers and distributors of the urea solution and by fleet operators.

The urea solution (AUS 32) as specified in this document is commercially available and may exist under various trade names¹⁾.

¹⁾ Trade names of products AdBlue®, ARLA 32®, DEF, etc. are examples of suitable products available commercially. This information is given for the convenience of users of this document and does not constitute an endorsement by ISO of the products named.